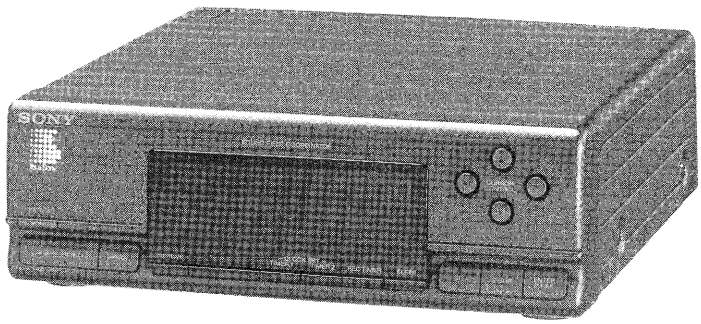
SEQ-H3800

SERVICE MANUAL

AEP Model
UK Model



• SEQ-H3800 is the GRAPHIC EQUALIZER in MHC-3800

COMPACT disc DIGITAL AUDIO

SPECIFICATIONS

Graphic Equalizer

Inputs	VIDEO (phono jacks) sensitivity: 250 mV, impedance: 47 kilohms MD/DAT IN (phono jacks) sensitivity: 250 mV, impedance: 47 kilohms PHONO (phono jacks) sensitivity: 3 mV, impedance: 47 kilohms
Outputs	MD/DAT OUT voltage: 250 mV impedance: 2 kilohms

General

Power requirements	
	European model: 220 V — 230 V, 50/60 Hz
	U.K. model: 240 V, 50 Hz
Power consumption	170 watts
Dimensions	Approx. 225 x 390 x 280 mm (w/h/d) ($8^{7}/_{8}$ x $15^{3}/_{8}$ x $11^{1}/_{8}$ inches) incl. projecting parts and controls
Mass	Approx. 11.7 kg (25 lb 13 oz)
Supplied accessories	
	Remote Commander (1) (RM-S380) Sony SUM-3 (NS) batteries (2) AM loop antenna (1) FM antenna (1) AC power cord (2) Flat cord (1) Speaker cord (except for Europe and U.K.) (2)

Design and specifications subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

GRAPHIC EQUALIZER

SONY®

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
TEST MODE

[TEST MODE]

This unit turns on and off the power when connected to the pre-main amplifier (TA-H3800).
If the amplifier is not connected, it will remain in the STANDBY condition even when AC100V is input. When the test mode is set, the following tests can be carried out.

Setting the Test Mode

Test mode ON/OFF	Press the DISPLAY button and SLEEP button together.
1. EQ CHECK ON/OFF	Press the EQ button
• EQ MAX	Press the CURSOR ▲ button.
• EQ FLAT	Press the CURSOR ◀ or ▶ button.
• EQ MIN	Press the CURSOR ▼ button.
2. SUR CHECK ON/OFF	Press the S-SUR button.
• SUR MAX	Press the CURSOR ▲ button.
• SUR OFF	Press the CURSOR ▼ button.
3. FL CHECK ON/OFF	Press the TIMER 1 button.
4. LED CHECK ON/OFF	Press the TIMER 2 button.
5. KEY CHECK ON/OFF	Press the REC TIMER button.

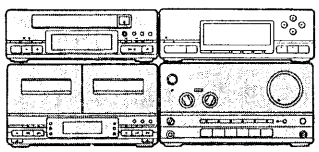
* The test mode can be set when power is supplied only for SEQ-H3800 (all connections removed).
When all checks of check mode "FL CHECK", "LED CHECK", or "KEY CHECK" have been completed, the unit automatically exits the check mode.
As the EQ and SUR effects remain even after the unit exits the "EQ CHECK" and "SUR CHECK" check modes, press the FLAT key after checking the effects to return the unit to its original state.
In the test mode, the image input will be fixed at "VIDEO 1" and the audio input at "MD/DAT".

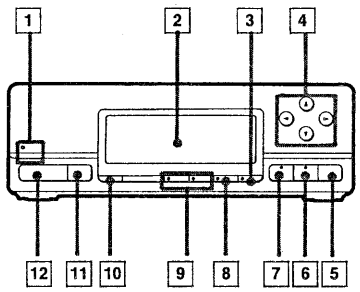
SECTION 2
GENERAL

This section is extracted from instruction manual.

Parts Identification

E





Graphic Equalizer Section E

1. KARAOKE PON button and indicator (112)
2. Display window
3. SLEEP timer button (108)
4. CURSOR CONTROL buttons
5. ENTER-P. FILE button (20, 98, 102, 106)
6. S-SUR button and indicator (96, 98)
7. EQ button and indicator (94, 98)
8. REC TIMER button and indicator (104)
9. CLOCK SET buttons / TIMER 1, 2 buttons and indicators (20, 100)
10. DISPLAY button (92)
11. DIRECT button (90)
12. DIGITAL MENU (Digital Sound Menu) button (90)

SECTION 3
IC PIN FUNCTION

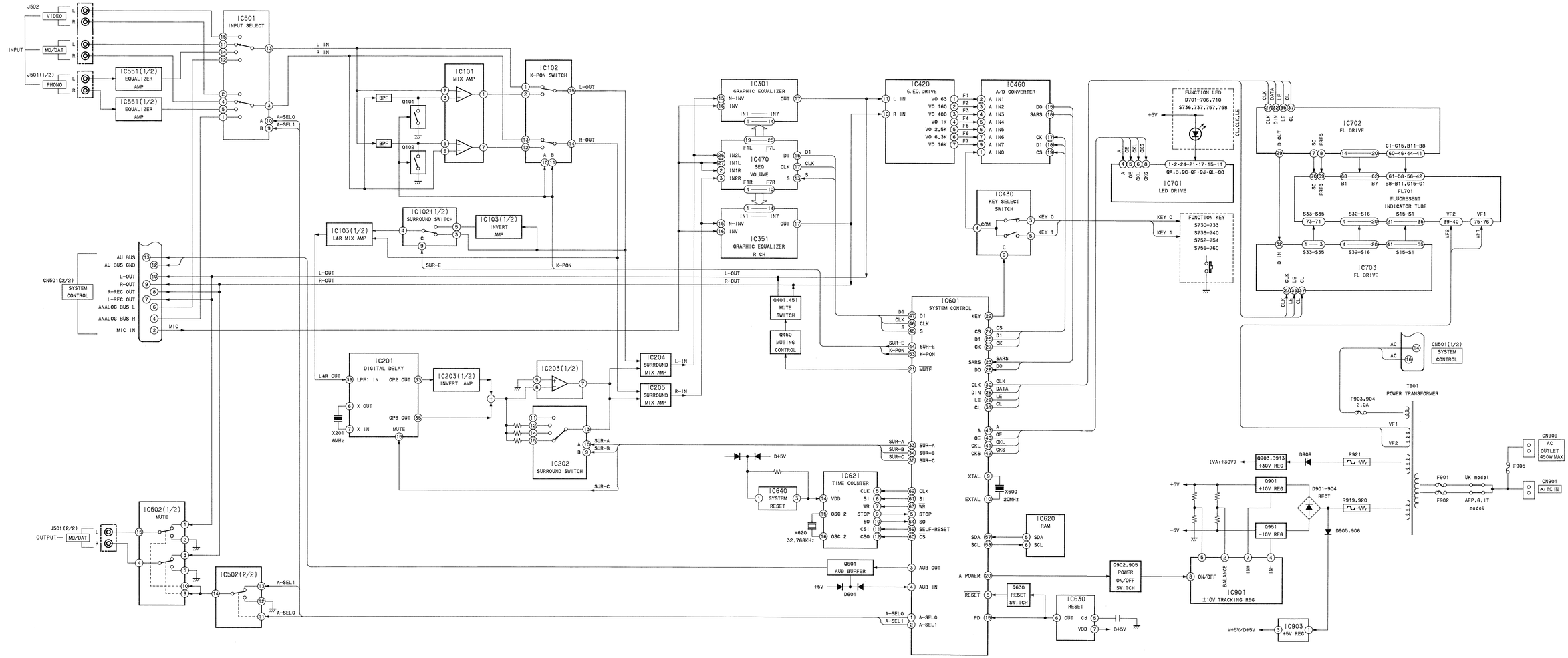
- **IC601 HD6433258A64P**

No.	Pin Name	I/O	Function
1	A-SEL0	O	Selecting output of audio input
2	A-SEL1	O	Selecting output of audio input
3	AUB-OUT	O	AU BUS output
4	AUB-IN	I	AU BUS input
5	STDP	I	1024 Hz input (from clock IC IC621 SPC5243)
6	V-SEL0	O	Not used
7	V-SEL1	O	Not used
8	$\overline{\text{RES}}$	I	System reset
9	XTAL	I	Oscillator (20 MHz)
10	EXTAL	I	Oscillator (20 MHz)
11	MD1	I	Operation mode setting (Fixed at L)
12	MD0	I	Operation mode setting (Fixed at L)
13	PD	I	To POWER DOWN detection circuit
14	Vcc	–	Power supply (+5V)
15	$\overline{\text{STBY}}$	I	Standby (Pull up)
16	Vss	–	GND
17	TEST	I	Test pin (Pull up)
18	MODE0	I	Pull up GND
19	MODE1	I	Pull up GND
20	A-POWER	O	Analog power supply ON/OFF output
21	$\overline{\text{MUTE}}$	O	Muting output
22	KEY	O	KEY row selecting output
23	SARS	I	A/D conversion completion for IC460 TC35095 (A/D)
24	CS	O	Chip select for IC460 TC35095 (A/D)
25	DI	O	Channel selection for IC460 TC35095 (A/D)
26	DO	I	Conversion data for IC460 TC35095 (A/D)
27	CK	O	Conversion clock for IC460 TC35095 (A/D)
28	DIN	O	Display data for IC702, IC703 SN755723FT (FL tube driver)
29	LE	O	Display data latch clock for IC702, IC703 SN755723FT (FL tube driver)
30	CLK	O	Display data shift clock for IC702, IC703 SN755723FT (FL tube driver)
31	CL	O	Display ON/OFF for IC702, IC703 SN755723FT (FL tube driver)
32	SUR-D	O	Surround control
33	SUR-A	O	Surround control
34	SUR-B	O	Surround control
35	SUR-C	O	Surround control
36	AUTO	O	Not used
37	V-RO0	O	Not used
38	V-RO1	O	Not used
39	Vcc	–	Power supply (+5V)
40	OE	O	LED lighting ON/OFF for IC701 M66311FP (LED driver)
41	CKL	O	Data latch clock for IC701 M66311FP (LED driver)
42	CKS	O	Data shift clock for IC701 M66311FP (LED driver)
43	A	O	Data for IC701 M66311FP (LED driver)
44	SUR-E	O	Sound control

No.	Pin Name	I/O	Function
45	S	O	Chip select for IC470 NJU7305 (Equalizer IC)
46	CLK	O	Shift clock for IC470 NJU7305 (Equalizer IC)
47	DI	O	Data for IC470 NJU7305 (Equalizer IC)
48	Vss	–	GND
49	MPX	O	Not used
50	REQ	O	Not used
51	SECK	O	Not used
52	SEDATA	O	Not used
53	K-PON	O	Karaoke PON ON/OFF
54	$\overline{CS}$	O	Not used
55	$\overline{SCK}$	O	Not used
56	CDI	O	Not used
57	SDA	I/O	IC620 X24C01 (E2PROM) data
58	SCL	O	IC620 X24C01 (E2PROM) clock
59	CS1	O	IC621 SPC5243 (Clock IC) chip select 1
60	$\overline{CS0}$	O	IC621 SPC5243 (Clock IC) chip select 0
61	SI	O	IC621 SPC5243 (Clock IC) write data
62	CLK	O	IC621 SPC5243 (Clock IC) data shift clock
63	$\overline{WR}$	O	IC621 SPC5243 (Clock IC) write/read selection
64	SO	I	IC621 SPC5243 (Clock IC) read data

SECTION 4
DIAGRAMS

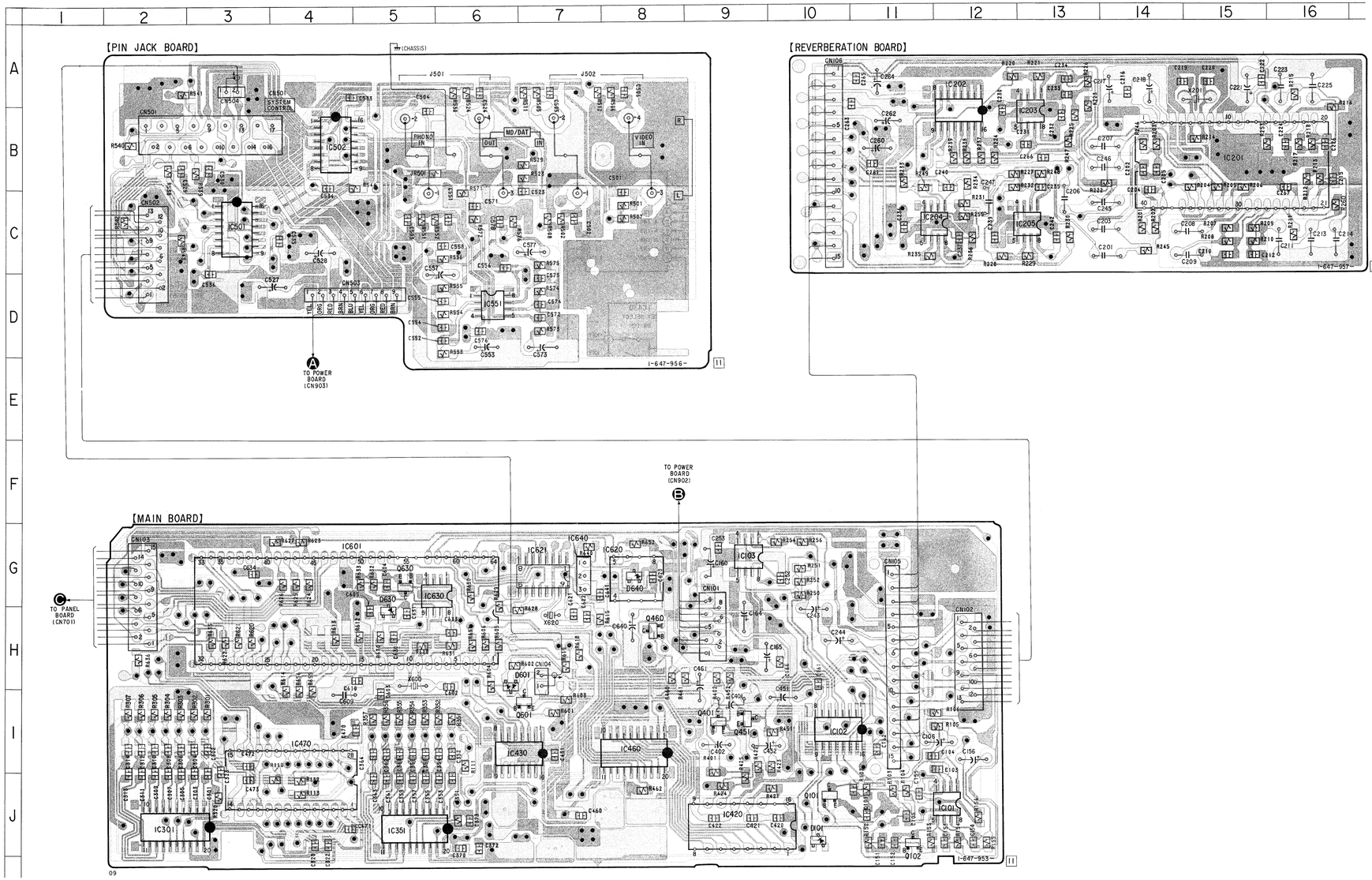
4-1. BLOCK DIAGRAM



4-2. PRINTED WIRING BOARDS

- **MAIN Section**

- **See page 29 for Semiconductor Lead Layouts.**



SEMICONDUCTOR LOCATION

Ref. No.	Location
D101	J-10
D601	H-6
D630	G-5
D640	G-8
IC101	J-12
IC102	I-10
IC103	G-9
IC201	B-15
IC202	B-12
IC203	B-13
IC204	C-11
IC205	C-12
IC301	J-2
IC351	J-5
IC420	J-8
IC430	I-6
IC460	I-8
IC470	I-4
IC501	C-3
IC502	B-4
IC551	D-6
IC601	G-4
IC620	G-8
IC621	G-7
IC630	G-5
IC640	G-7
Q101	J-10
Q102	J-11
Q401	I-9
Q451	I-9
Q460	H-8
Q601	I-6
Q630	G-5

Note:

- ○— : indicated a lead wire mounted on the component side.
- ● : Through hole.
- ▨ : Pattern from the side which enables seeing.
- ▨ : Pattern of the rear side.

4-3. SCHEMATIC DIAGRAMS

- MAIN Section

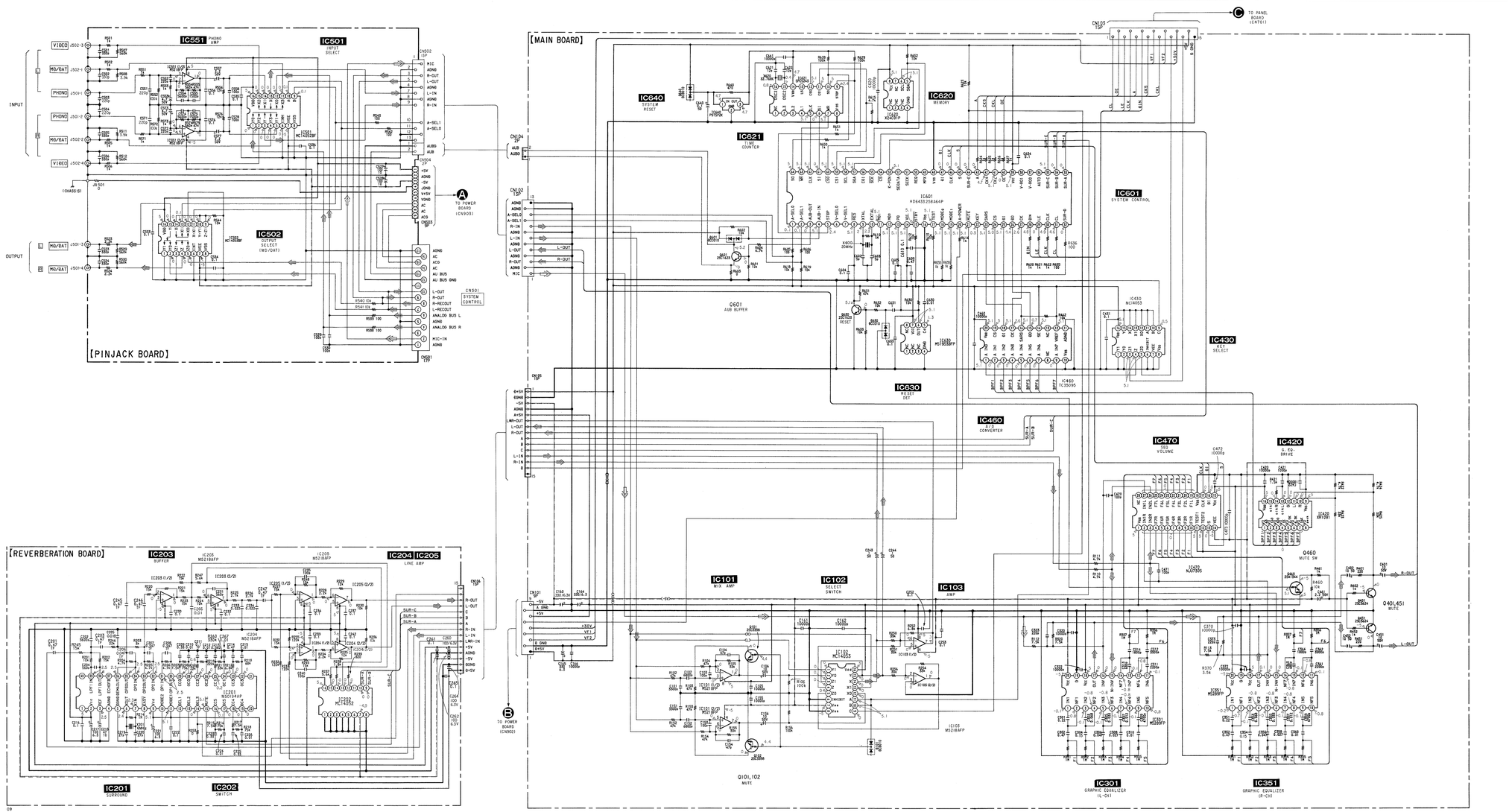
• See page 30, 31, 32 for IC Block Diagrams.

Notes:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms. 1/4W or less unless otherwise noted.
- △ : internal component.
- ⚠ : nonflammable resistor.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safty.
Replace only with part number specified.

- ——— : B+ Line.
- - - - : B- Line.
- Voltage are dc with respect to ground under no-signal conditions.
- no mark : no signal input.
- Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path
  ⇨ : CD ⇦ : MIC



4-4. SCHEMATIC DIAGRAMS

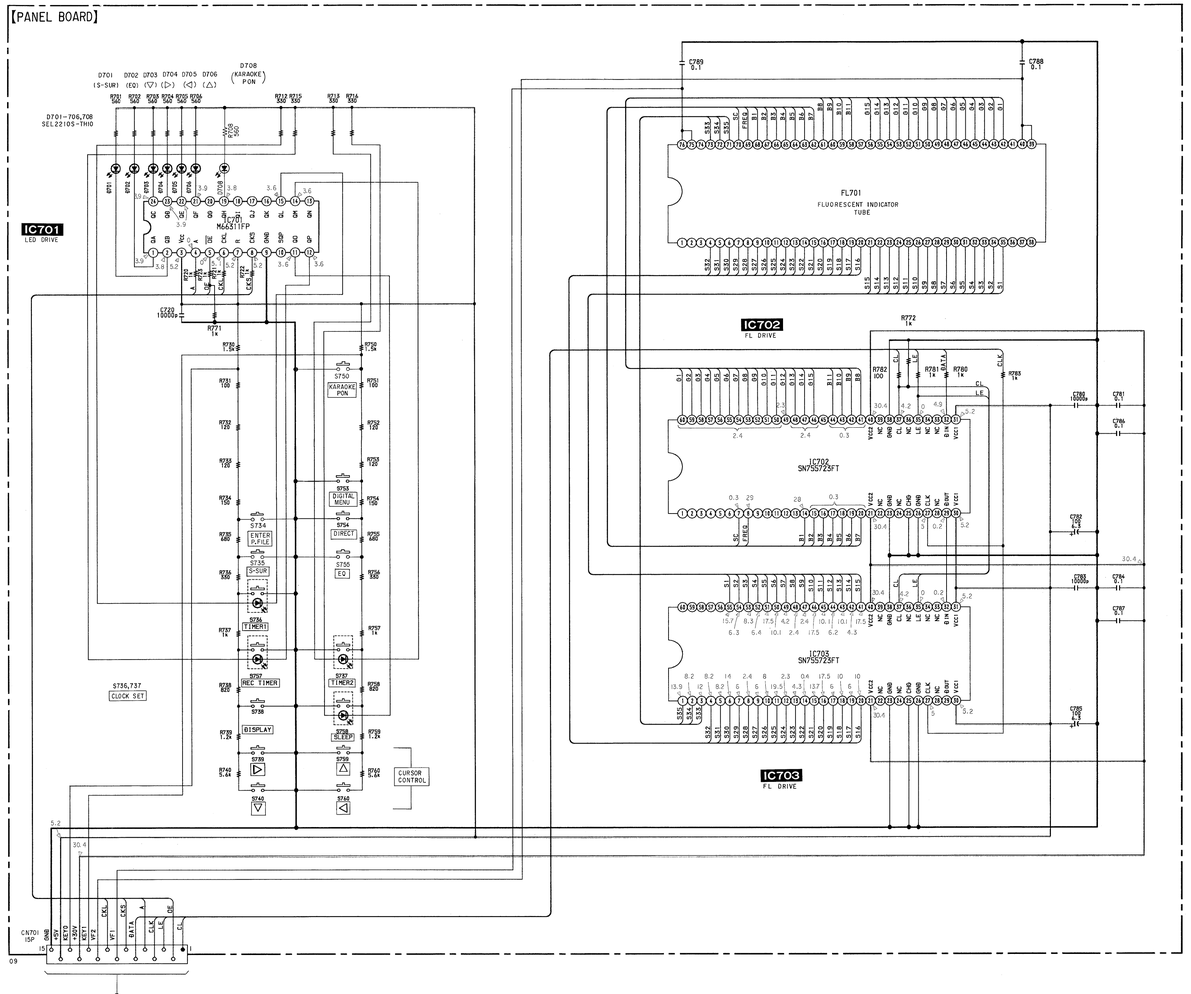
- **PANEL, POWER Section**

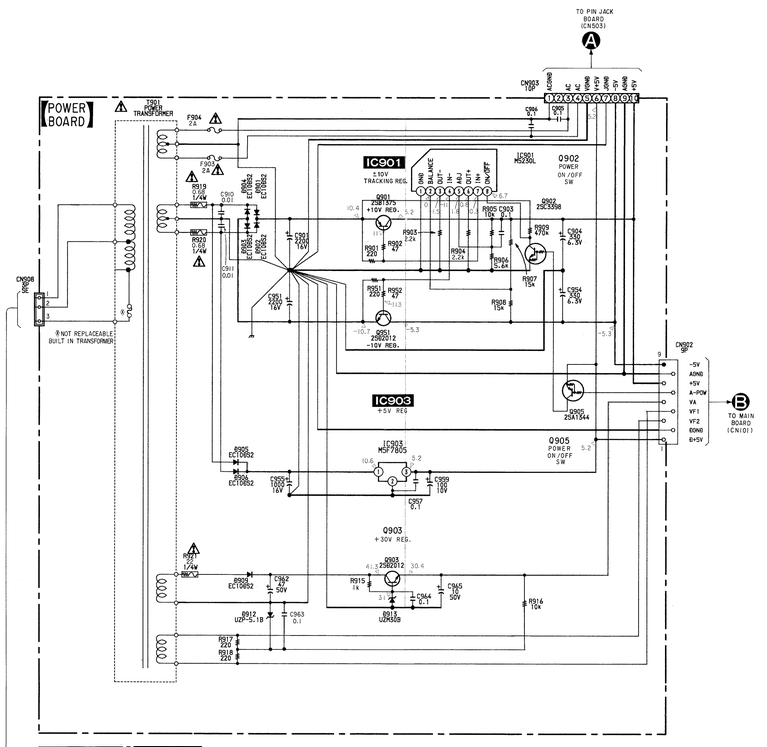
- **See page 30, 31, 32 for IC Block Diagrams.**

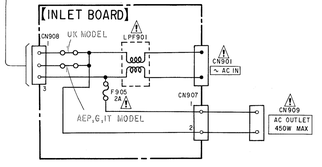
Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W or less unless otherwise noted.
- △ : internal component.
- : nonflammable resistor.
- : fuse resistor.

The components identified by mark △ or dotted line with mark △ are critical for safty.
Replace only with part number specified.

- ——: B+ Line.
- – – –: B– Line.
- Voltage are dc with respect to ground under no-signal conditions.
- no mark : no signal input.
- Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.

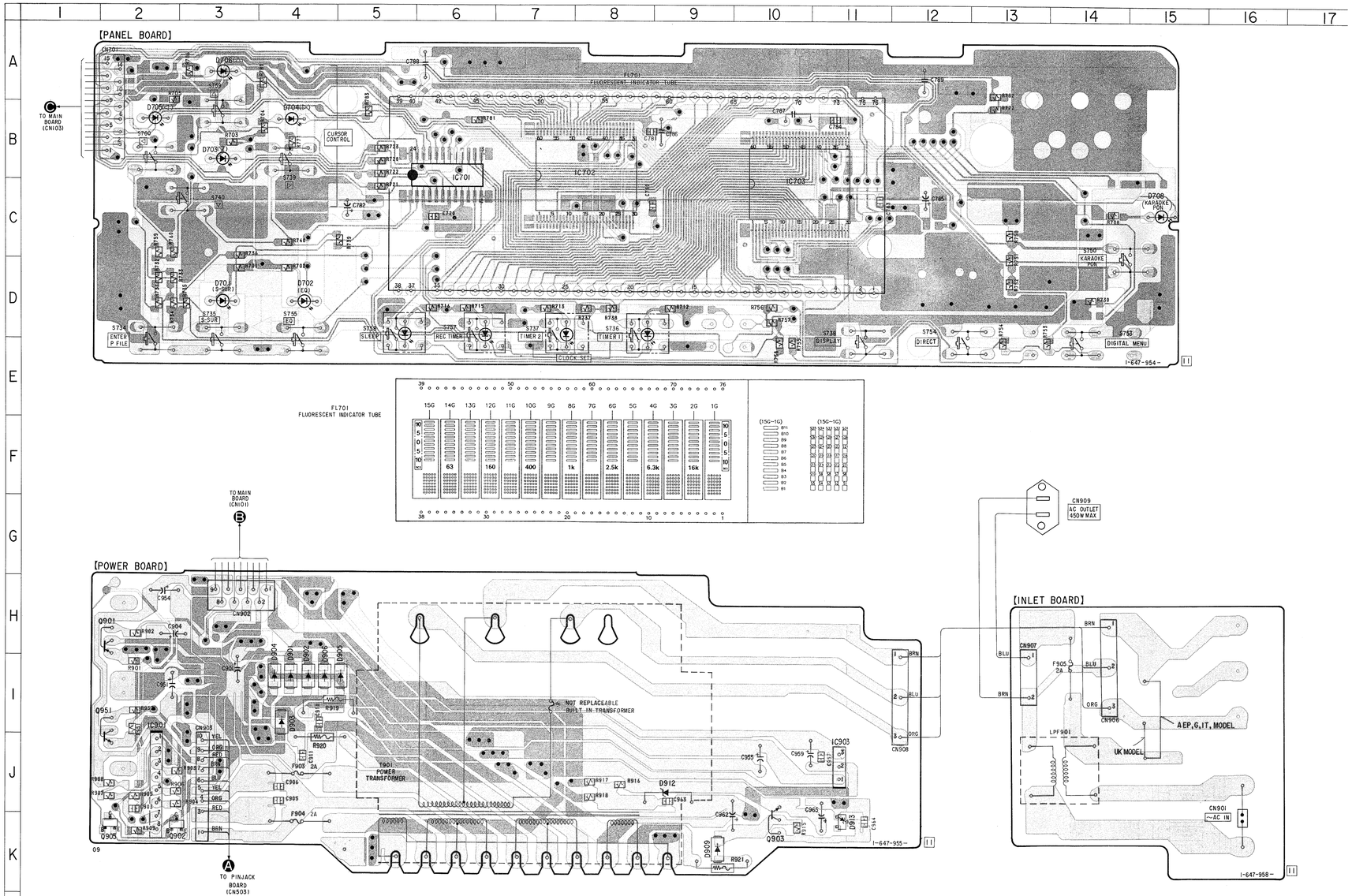






4-5. PRINTED WIRING BOARDS
• PANEL, POWER Section

• See page 29 for Semiconductor Lead Layouts.



SEMICONDUCTOR LOCATION

Ref. No.	Location
D701	D-3
D702	D-4
D703	B-3
D704	B-4
D705	B-2
D706	A-3
D708	C-15
D901	I-4
D902	I-4
D903	I-4
D904	I-4
D905	I-5
D906	I-4
D909	K-10
D912	J-9
D913	K-11
IC701	B-6
IC702	B-8
IC703	B-10
IC901	I-2
IC903	J-11
Q901	H-2
Q902	K-3
Q903	K-10
Q905	K-2
Q951	I-2

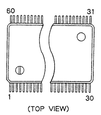
Note:
- ○— : indicated a lead wire mounted on the component side.
- ● : Through hole.
- ▨ : Pattern from the side which enables seeing.
- ▨ : Pattern of the rear side.

4-6. SEMICONDUCTOR LEAD LAYOUTS

HD14053BFP
XR1091DCP

M5218AFP
M5230L-A

SN755723FT



EC10DS2

HD6433258A64P

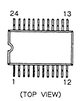
M5289FP-71NC
TC35095AF

UZP-5.1B

TA7805S

MC14052BF
SPC5243MOB

M66311FP



X24C01P

SEL2210S-CD

M50194AP

NJU7305L

2SA1344

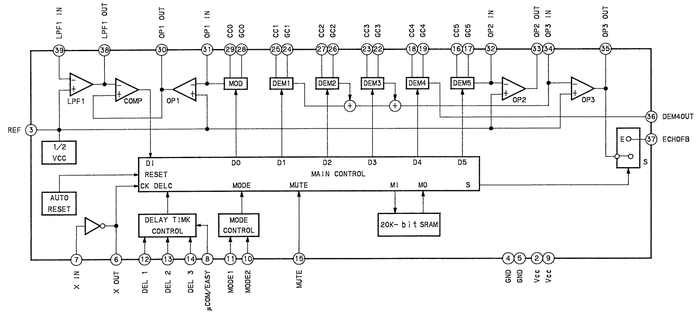
M51953BFP

PST572K

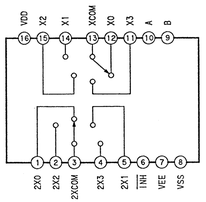
2SB1094-LK
2SD2012

4-7. IC BLOCK DIAGRAMS

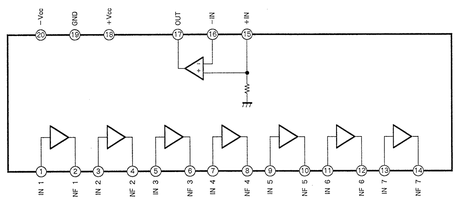
• IC201 M50194AP



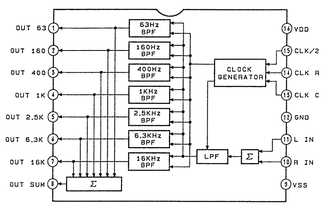
• IC202, 501 MC14052BF



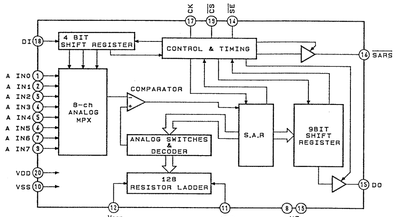
• IC301, 351 M5289FP-71NC



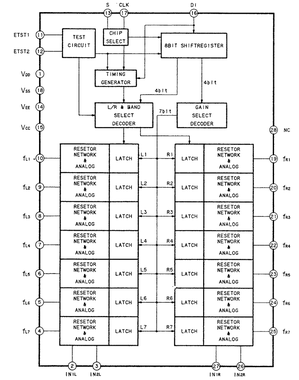
• IC420 XR1091DCP



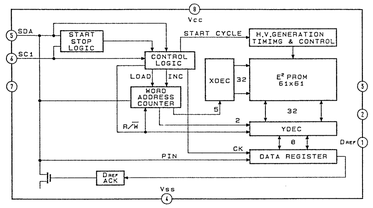
• IC460 TC35095AF



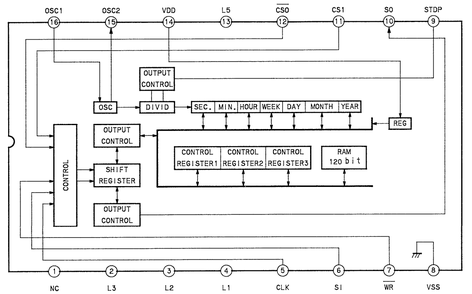
• IC470 NJU7305L



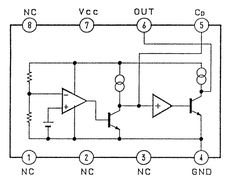
• IC620 X24C01P



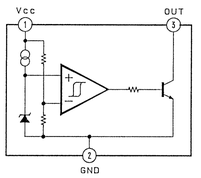
• IC621 SPC5243MOB



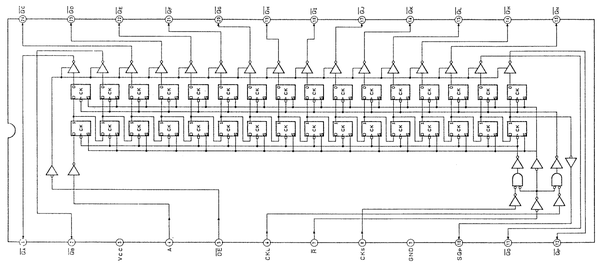
• IC630 M51953BFP



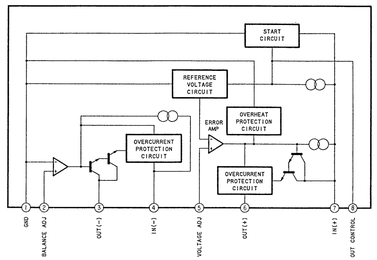
• IC640 PST572K



• IC701 M66311FP



• IC901 M5230L-A

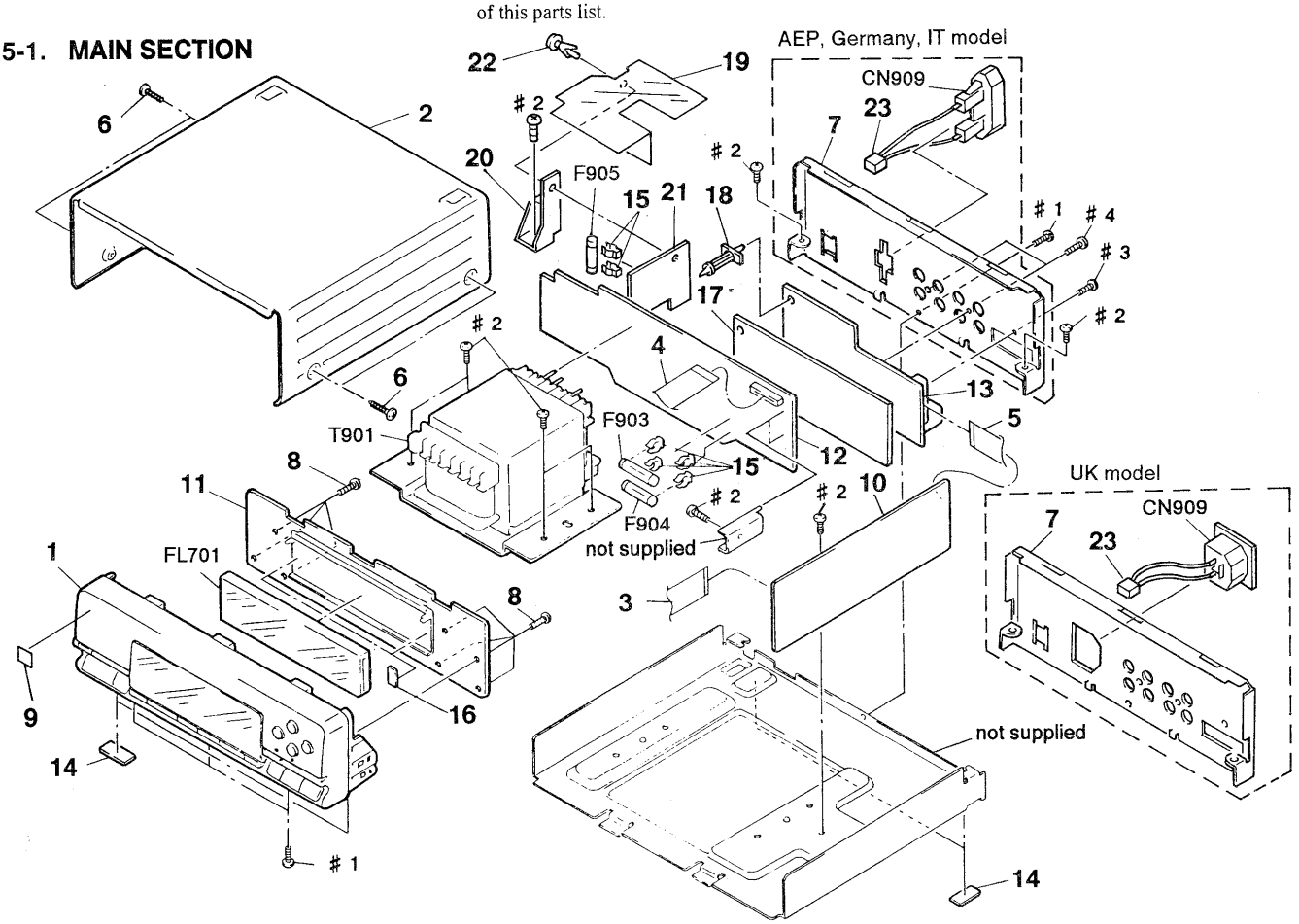


SECTION 5
EXPLODED VIEW

NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.
- Italian, Germany model is abbreviated as IT, G.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

5-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	X-4943-455-1	PANEL ASSY, FRONT	
* 2	4-954-198-41	CASE	
3	1-690-094-11	WIRE, FLAT TYPE (15 CORE)	
4	1-590-241-11	WIRE, FLAT TYPE (9 CORE)	
5	1-590-036-31	WIRE, FLAT TYPE (13 CORE)	
6	3-363-099-21	SCREW (CASE 3 TP2)	
* 7	4-957-203-11	PANEL, BACK (AEP)	
*	4-957-203-22	PANEL, BACK (Germany)	
*	4-957-203-32	PANEL, BACK (UK)	
*	4-957-203-41	PANEL, BACK (IT)	
8	4-951-620-01	SCREW (2.6X8), +BVTP	
9	3-703-710-41	STICKER, SONY SYMBOL (12)	
* 10	A-4360-197-A	MAIN BOARD, COMPLETE (AEP)	
*	A-4360-203-A	MAIN BOARD, COMPLETE (Germany)	
*	A-4360-212-A	MAIN BOARD, COMPLETE (UK)	
*	A-4360-219-A	MAIN BOARD, COMPLETE (IT)	
* 11	A-4360-198-A	PANEL BOARD, COMPLETE (AEP)	
*	A-4360-204-A	PANEL BOARD, COMPLETE (Germany)	
*	A-4360-214-A	PANEL BOARD, COMPLETE (UK)	
*	A-4360-220-A	PANEL BOARD, COMPLETE (IT)	
* 12	A-4360-199-A	POWER BOARD, COMPLETE (AEP)	
*	A-4360-205-A	POWER BOARD, COMPLETE (Germany)	
*	A-4360-215-A	POWER BOARD, COMPLETE (UK)	
*	A-4360-221-A	POWER BOARD, COMPLETE (IT)	

Ref. No.	Part No.	Description	Remark
* 13	A-4360-200-A	PIN JACK BOARD, COMPLETE (AEP)	
*	A-4360-210-A	PIN JACK BOARD, COMPLETE (Germany)	
*	A-4360-216-A	PIN JACK BOARD, COMPLETE (UK)	
*	A-4360-222-A	PIN JACK BOARD, COMPLETE (IT)	
14	4-930-336-31	FOOT (FELT)	
15	1-533-213-11	HOLDER, FUSE	
16	4-932-810-11	CUSHION (FL)	
* 17	A-4360-202-A	REVERBERATION BOARD, COMPLETE	
18	4-924-098-91	HOLDER, PC BOARD	
* 19	4-958-572-01	COVER	
* 20	4-954-242-01	BRACKET (IN)	
* 21	1-647-958-11	INLET BOARD	
22	4-812-134-00	RIVET NYLON, 3.5	
23	1-751-216-31	LEAD (WITH CONNECTOR) (2 CORE)	
⚠CN909	1-526-751-00	OUTLET, AC (UK)	
⚠	1-526-794-11	OUTLET, AC (AEP/G/IT)	
⚠F903	1-532-203-00	FUSE, TIME-LAG (2.0A)	
⚠F904	1-532-203-00	FUSE, TIME-LAG (2.0A)	
⚠F905	1-532-203-00	FUSE, TIME-LAG (2.0A)	
FL701	1-519-649-11	INDICATOR TUBE, FLUORESCENT	
⚠T901	1-423-330-11	TRANSFORMER, POWER (AEP)	
⚠	1-423-560-11	TRANSFORMER, POWER (UK)	

INLET **MAIN**

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Italian, Germany model is abbreviated as IT, G.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Hardware (# mark) list is given in the last of this parts list.

Ref. No.	Part No.	Description			Remark
*	1-647-958-11	INLET BOARD			
		**********			
		< CONNECTOR >			
⚠CN901	1-526-931-11	INLET, AC (~AC IN)			
CN907	1-564-321-00	PIN, CONNECTOR 2P			
CN908	1-564-687-11	PIN, CONNECTOR 3P			
		< FILTER, LINE >			
⚠LPF901	1-424-485-11	FILTER, LINE			
**********					
*	A-4360-197-A	MAIN BOARD, COMPLETE (AEP)			
		**********			
*	A-4360-203-A	MAIN BOARD, COMPLETE (Germany)			
		**********			
*	A-4360-212-A	MAIN BOARD, COMPLETE (UK)			
		**********			
*	A-4360-219-A	MAIN BOARD, COMPLETE (IT)			
		**********			
	7-685-871-01	SCREW +BVTT 3X6 (S)			
		< CAPACITOR >			
C101	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C102	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C103	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C104	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C105	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C106	1-126-059-11	ELECT	10uF	20%	50V
C151	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C152	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C153	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C154	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C155	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C156	1-126-059-11	ELECT	10uF	20%	50V
C160	1-124-442-00	ELECT	330uF	20%	6.3V
C161	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C162	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C164	1-124-442-00	ELECT	330uF	20%	6.3V
C165	1-124-442-00	ELECT	330uF	20%	6.3V
C166	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C243	1-126-301-11	ELECT	1uF	20%	50V
C244	1-126-301-11	ELECT	1uF	20%	50V
C252	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C253	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C301	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C302	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C303	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C304	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C305	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C306	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C307	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C308	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C309	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C310	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C311	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C312	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V
C313	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C314	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C320	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C322	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C323	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C351	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C352	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C353	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C354	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C355	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C356	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C357	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C358	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C359	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C360	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C361	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C362	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V
C363	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C364	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C370	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C372	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C373	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C401	1-126-059-11	ELECT	10uF	20%	50V
C402	1-126-059-11	ELECT	10uF	20%	50V
C420	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C421	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V

MAIN

Ref.No.	Part No.	Description			Remark
C422	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C431	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C451	1-126-059-11	ELECT	10uF	20%	50V
C452	1-126-059-11	ELECT	10uF	20%	50V
C460	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C461	1-126-161-11	ELECT	2.2uF	20%	50V
C470	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C471	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C472	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C473	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C602	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C603	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C604	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C605	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C609	1-136-173-00	FILM	0.47uF	5%	50V
C610	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C620	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C621	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C622	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C630	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C631	1-164-346-11	CERAMIC CHIP	1uF		16V
C633	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C634	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C640	1-124-463-00	ELECT	0.1uF	20%	50V
C641	1-164-232-11	CERAMIC CHIP	0.01uF		50V
		< CONNECTOR >			
* CN101	1-568-828-11	SOCKET, CONNECTOR 9P			
* CN102	1-568-832-11	SOCKET, CONNECTOR 13P			
* CN103	1-568-834-11	SOCKET, CONNECTOR 15P			
* CN104	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN105	1-573-095-21	SOCKET, CONNECTOR 15P			
		< DIODE >			
D101	8-719-990-39	DIODE	DCB010		
D601	8-719-800-76	DIODE	1SS226		
D630	8-719-800-76	DIODE	1SS226		
D640	8-719-990-39	DIODE	DCB010		
		< IC >			
IC101	8-759-636-55	IC	M5218AFP		
IC102	8-759-300-71	IC	HD14053BFP		
IC103	8-759-636-55	IC	M5218AFP		
IC301	8-759-087-18	IC	M5289FP-71NC		
IC351	8-759-087-18	IC	M5289FP-71NC		
IC420	8-759-991-11	IC	XR1091DCP		
IC430	8-759-300-71	IC	HD14053BFP		
IC460	8-759-245-58	IC	TC35095AF		
IC470	8-759-081-01	IC	NJU7305L		
IC601	8-759-164-67	IC	HD6433258A64P		
IC620	8-759-500-31	IC	X24C01P		

Ref.No.	Part No.	Description				Remark
IC621	8-759-082-94	IC	SPC5243MOB			
IC630	8-759-634-43	IC	M51953BFP			
IC640	8-759-520-98	IC	PST572K			
		< TRANSISTOR >				
Q101	8-729-805-41	TRANSISTOR	2SC3398			
Q102	8-729-805-41	TRANSISTOR	2SC3398			
Q401	8-729-107-43	TRANSISTOR	2SC3624-L18			
Q451	8-729-107-43	TRANSISTOR	2SC3624-L18			
Q460	8-729-805-65	TRANSISTOR	2SA1344			
Q601	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q630	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
		< RESISTOR >				
R102	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R103	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R104	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R105	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R106	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R110	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R111	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R112	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R113	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R152	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R153	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R154	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R155	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R156	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R250	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R251	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R252	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R254	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R256	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R301	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R302	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R303	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R304	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R305	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R306	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R307	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R320	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R351	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R352	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R353	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R354	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R355	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R356	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R357	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R370	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R401	1-216-033-00	METAL CHIP	220	5%	1/10W	

MAIN PANEL

Ref.No.	Part No.	Description				Remark
R402	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R421	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R422	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R423	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R424	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R425	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R451	1-216-033-00	METAL CHIP	220	5%	1/10W	
R452	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R460	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R461	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R462	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R601	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R602	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R603	1-216-295-00	METAL CHIP	0	5%	1/10W	
R604	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R605	1-216-025-00	METAL CHIP	100	5%	1/10W	
R606	1-216-025-00	METAL CHIP	100	5%	1/10W	
R610	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R612	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R613	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R614	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R615	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R618	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R619	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R620	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R621	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R622	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R623	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R624	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R625	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R626	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R627	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R628	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R629	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R630	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R631	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R632	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R633	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R635	1-216-025-00	METAL CHIP	100	5%	1/10W	
R636	1-216-025-00	METAL CHIP	100	5%	1/10W	
R640	1-216-041-00	METAL CHIP	470	5%	1/10W	
R650	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R651	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R652	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R655	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R656	1-216-049-00	METAL CHIP	1K	5%	1/10W	
		< VIBRATOR >				
X600	1-567-928-11	VIBLATOR, CERAMIC (20MHz)				
X620	1-567-098-00	OSCILLATOR, CRYSTAL (32.768kHz)				

Ref.No.	Part No.	Description				Remark
**********						
*	A-4360-198-A	PANEL BOARD, COMPLETE (AEP)				
		**********				
*	A-4360-204-A	PANEL BOARD, COMPLETE (Germany)				
		**********				
*	A-4360-214-A	PANEL BOARD, COMPLETE (UK)				
		**********				
*	A-4360-220-A	PANEL BOARD, COMPLETE (IT)				
		**********				
*	4-932-810-11	CUSHION (FL)				
		< CAPACITOR >				
C720	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C780	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C781	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C782	1-126-177-11	ELECT	100uF	20%	10V	
C783	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C784	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C785	1-126-177-11	ELECT	100uF	20%	10V	
C786	1-136-165-00	FILM	0.1uF	5%	50V	
C787	1-136-165-00	FILM	0.1uF	5%	50V	
C788	1-136-165-00	FILM	0.1uF	5%	50V	
C789	1-136-165-00	FILM	0.1uF	5%	50V	
		< CONNECTOR >				
* CN701	1-568-834-11	SOCKET, CONNECTOR 15P				
		< DIODE >				
D701	8-719-301-37	LED	SEL2210S-CD (S-SUR)			
D702	8-719-301-37	LED	SEL2210S-CD (EQ)			
D703	8-719-301-37	LED	SEL2210S-CD (▽)			
D704	8-719-301-37	LED	SEL2210S-CD (▷)			
D705	8-719-301-37	LED	SEL2210S-CD (◁)			
D706	8-719-301-37	LED	SEL2210S-CD (△)			
D708	8-719-301-37	LED	SEL2210S-CD (KARAOKE PON)			
		< INDICATOR TUBE >				
FL701	1-519-649-11	INDICATOR TUBE, FLUORESCENT				
		< IC >				
IC701	8-759-636-56	IC	M66311FP			
IC702	8-759-094-11	IC	SN755723FT			
IC703	8-759-094-11	IC	SN755723FT			
		< RESISTOR >				
R701	1-216-043-00	METAL CHIP	560	5%	1/10W	

Ref.No.	Part No.	Description				Remark
R702	1-216-043-00	METAL CHIP	560	5%	1/10W	
R703	1-216-043-00	METAL CHIP	560	5%	1/10W	
R704	1-216-043-00	METAL CHIP	560	5%	1/10W	
R705	1-216-043-00	METAL CHIP	560	5%	1/10W	
R706	1-216-043-00	METAL CHIP	560	5%	1/10W	
R708	1-216-043-00	METAL CHIP	560	5%	1/10W	
R712	1-216-037-00	METAL CHIP	330	5%	1/10W	
R713	1-216-037-00	METAL CHIP	330	5%	1/10W	
R715	1-216-037-00	METAL CHIP	330	5%	1/10W	
R716	1-216-037-00	METAL CHIP	330	5%	1/10W	
R720	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R721	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R722	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R723	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R730	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R731	1-216-025-00	METAL CHIP	100	5%	1/10W	
R732	1-216-027-00	METAL CHIP	120	5%	1/10W	
R733	1-216-027-00	METAL CHIP	120	5%	1/10W	
R734	1-216-029-00	METAL CHIP	150	5%	1/10W	
R735	1-216-045-00	METAL CHIP	680	5%	1/10W	
R736	1-216-037-00	METAL CHIP	330	5%	1/10W	
R737	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R738	1-216-047-00	METAL CHIP	820	5%	1/10W	
R739	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	
R740	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R750	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R751	1-216-025-00	METAL CHIP	100	5%	1/10W	
R752	1-216-027-00	METAL CHIP	120	5%	1/10W	
R753	1-216-027-00	METAL CHIP	120	5%	1/10W	
R754	1-216-029-00	METAL CHIP	150	5%	1/10W	
R755	1-216-045-00	METAL CHIP	680	5%	1/10W	
R756	1-216-037-00	METAL CHIP	330	5%	1/10W	
R757	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R758	1-216-047-00	METAL CHIP	820	5%	1/10W	
R759	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	
R760	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R771	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R772	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R780	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R781	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R782	1-216-025-00	METAL CHIP	100	5%	1/10W	
R783	1-216-049-00	METAL CHIP	1K	5%	1/10W	
		< SWITCH >				
S734	1-554-303-21	SWITCH, TACTILE (ENTER P. FILE)				
S735	1-554-303-21	SWITCH, TACTILE (S-SUR)				
S736	1-570-101-61	SWITCH, KEY BOARD (TIMER 1) (CLOCK SET)				
S737	1-570-101-61	SWITCH, KEY BOARD (TIMER 2) (CLOCK SET)				
S738	1-554-303-21	SWITCH, TACTILE (DISPLAY)				
S739	1-554-303-21	SWITCH, TACTILE (▷)				
S740	1-554-303-21	SWITCH, TACTILE (▽)				
S750	1-554-303-21	SWITCH, TACTILE (KARAOKE PON)				
S753	1-554-303-21	SWITCH, TACTILE (DIGITAL MENU)				
S754	1-554-303-21	SWITCH, TACTILE (DIRECT)				
S755	1-554-303-21	SWITCH, TACTILE (EQ)				
S757	1-570-101-61	SWITCH, KEY BOARD (REC TIMER)				
S758	1-570-101-61	SWITCH, KEY BOARD (SLEEP)				
S759	1-554-303-21	SWITCH, TACTILE (△)				
S760	1-554-303-21	SWITCH, TACTILE (◁)				
**********						
*	A-4360-200-A	PIN JACK BOARD, COMPLETE (AEP)				
		**********				
*	A-4360-210-A	PIN JACK BOARD, COMPLETE (Germany)				
		**********				
*	A-4360-216-A	PIN JACK BOARD, COMPLETE (UK)				
		**********				
*	A-4360-222-A	PIN JACK BOARD, COMPLETE (IT)				
		**********				
		< CAPACITOR >				
C501	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C502	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C503	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C504	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C505	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C506	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C523	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C524	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C527	1-124-994-11	ELECT	100uF	20%	10V	
C528	1-124-994-11	ELECT	100uF	20%	10V	
C529	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C530	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C533	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C534	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C535	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C536	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C551	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C552	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C553	1-126-163-11	ELECT	4.7uF	20%	50V	
C554	1-163-018-00	CERAMIC CHIP	0.0056uF	5%	50V	
C555	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V	
C556	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C557	1-126-161-11	ELECT	2.2uF	20%	50V	
C558	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C571	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C572	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	
C573	1-126-163-11	ELECT	4.7uF	20%	50V	
C574	1-163-018-00	CERAMIC CHIP	0.0056uF	5%	50V	

PIN JACK | POWER

Ref.No.	Part No.	Description			Remark
C575	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C576	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C577	1-126-161-11	ELECT	2.2uF	20%	50V
C578	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN501	1-580-740-31	SOCKET, CONNECTOR 17P (SYSTEM CONTROL)			
* CN502	1-568-856-11	SOCKET, CONNECTOR 13P			
CN503	1-695-009-11	PIN, CONNECTOR (PC BOARD) 9P			
* CN504	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< IC >			
IC501	8-759-009-06	IC MC14052BF			
IC502	8-759-300-71	IC HD14053BFP			
IC551	8-759-636-55	IC M5218AFP			
		< JACK >			
J501	1-565-304-41	JACK, PIN 4P (PHONO IN, MD/DAT OUT)			
J502	1-565-304-41	JACK, PIN 4P (VIDEO IN, MD/DAT IN)			
		< JUMPER RESISTOR >			
JR501	1-216-295-00	METAL CHIP	0	5%	1/10W
		< RESISTOR >			
R501	1-216-049-00	METAL CHIP	1K	5%	1/10W
R502	1-216-049-00	METAL CHIP	1K	5%	1/10W
R505	1-216-049-00	METAL CHIP	1K	5%	1/10W
R506	1-216-049-00	METAL CHIP	1K	5%	1/10W
R507	1-216-115-00	METAL CHIP	560K	5%	1/10W
R508	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R511	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R512	1-216-115-00	METAL CHIP	560K	5%	1/10W
R523	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R524	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R529	1-216-115-00	METAL CHIP	560K	5%	1/10W
R530	1-216-115-00	METAL CHIP	560K	5%	1/10W
R538	1-216-025-00	METAL CHIP	100	5%	1/10W
R539	1-216-025-00	METAL CHIP	100	5%	1/10W
R540	1-216-073-00	METAL CHIP	10K	5%	1/10W
R541	1-216-073-00	METAL CHIP	10K	5%	1/10W
R542	1-216-025-00	METAL CHIP	100	5%	1/10W
R543	1-216-025-00	METAL CHIP	100	5%	1/10W
R544	1-216-073-00	METAL CHIP	10K	5%	1/10W
R551	1-216-049-00	METAL CHIP	1K	5%	1/10W
R552	1-216-097-00	METAL CHIP	100K	5%	1/10W
R553	1-216-049-00	METAL CHIP	1K	5%	1/10W
R554	1-216-115-00	METAL CHIP	560K	5%	1/10W
R555	1-216-089-00	METAL CHIP	47K	5%	1/10W
R556	1-216-075-00	METAL CHIP	12K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R571	1-216-049-00	METAL CHIP	1K	5%	1/10W
R572	1-216-097-00	METAL CHIP	100K	5%	1/10W
R573	1-216-049-00	METAL CHIP	1K	5%	1/10W
R574	1-216-115-00	METAL CHIP	560K	5%	1/10W
R575	1-216-089-00	METAL CHIP	47K	5%	1/10W
R576	1-216-075-00	METAL CHIP	12K	5%	1/10W
**********					
*	A-4360-199-A	POWER BOARD, COMPLETE (AEP)			
		**********			
*	A-4360-205-A	POWER BOARD, COMPLETE (Germany)			
		**********			
*	A-4360-215-A	POWER BOARD, COMPLETE (UK)			
		**********			
*	A-4360-221-A	POWER BOARD, COMPLETE (IT)			
		**********			
		< CAPACITOR >			
C901	1-124-556-11	ELECT	2200uF	20%	16V
C903	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C904	1-124-442-00	ELECT	330uF	20%	6.3V
C905	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C906	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C910	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C911	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C951	1-124-556-11	ELECT	2200uF	20%	16V
C954	1-124-442-00	ELECT	330uF	20%	6.3V
C955	1-124-360-00	ELECT	1000uF	20%	16V
C957	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C959	1-124-994-11	ELECT	100uF	20%	10V
C962	1-124-910-11	ELECT	47uF	20%	50V
C963	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C964	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C965	1-126-059-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN902	1-568-828-11	SOCKET, CONNECTOR 9P			
		< DIODE >			
D901	8-719-210-33	DIODE EC10DS2			
D902	8-719-210-33	DIODE EC10DS2			
D903	8-719-210-33	DIODE EC10DS2			
D904	8-719-210-33	DIODE EC10DS2			
D905	8-719-210-33	DIODE EC10DS2			
D906	8-719-210-33	DIODE EC10DS2			
D909	8-719-210-33	DIODE EC10DS2			
D912	8-719-014-56	DIODE UZP-5.1B			
D913	8-719-022-76	DIODE UZM30B			

Ref. No.	Part No.	Description			Remark
		< FUSE HOLDER >			
* FH903	1-533-213-11	HOLDER, FUSE			
* FH904	1-533-213-11	HOLDER, FUSE			
* FH905	1-533-213-11	HOLDER, FUSE			
* FH913	1-533-213-31	HOLDER, FUSE			
* FH914	1-533-213-31	HOLDER, FUSE			
* FH915	1-533-213-31	HOLDER, FUSE			
		< IC >			
IC901	8-759-602-66	IC M5230L-A			
IC903	8-759-231-53	IC TA7805S			
		< TRANSISTOR >			
Q901	8-729-141-83	TRANSISTOR 2SB1094-LK			
Q902	8-729-805-41	TRANSISTOR 2SC3398			
Q903	8-729-209-15	TRANSISTOR 2SD2012			
Q905	8-729-805-65	TRANSISTOR 2SA1344			
Q951	8-729-209-15	TRANSISTOR 2SD2012			
		< RESISTOR >			
R901	1-216-033-00	METAL CHIP	220	5% 1/10W	
R902	1-216-017-00	METAL CHIP	47	5% 1/10W	
R903	1-216-057-00	METAL CHIP	2.2K	5% 1/10W	
R904	1-216-057-00	METAL CHIP	2.2K	5% 1/10W	
R905	1-216-073-00	METAL CHIP	10K	5% 1/10W	
R906	1-216-067-00	METAL CHIP	5.6K	5% 1/10W	
R907	1-216-077-00	METAL CHIP	15K	5% 1/10W	
R908	1-216-077-00	METAL CHIP	15K	5% 1/10W	
R909	1-216-113-00	METAL CHIP	470K	5% 1/10W	
R915	1-216-049-00	METAL CHIP	1K	5% 1/10W	
R916	1-216-073-00	METAL CHIP	10K	5% 1/10W	
R917	1-216-033-00	METAL CHIP	220	5% 1/10W	
R918	1-216-033-00	METAL CHIP	220	5% 1/10W	
⚠R919	1-219-124-91	FUSIBLE	0.68	5% 1/4W F	
⚠R920	1-219-124-91	FUSIBLE	0.68	5% 1/4W F	
⚠R921	1-212-865-00	FUSIBLE	22	5% 1/4W F	
R951	1-216-033-00	METAL CHIP	220	5% 1/10W	
R952	1-216-017-00	METAL CHIP	47	5% 1/10W	
**********					
*	A-4360-202-A	REVERBERATION BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C201	1-136-173-00	FILM	0.47uF	5% 50V	
C202	1-163-018-00	CERAMIC CHIP	0.0056uF	5% 50V	
C203	1-136-173-00	FILM	0.47uF	5% 50V	
C204	1-163-006-11	CERAMIC CHIP	560PF	10% 50V	
C205	1-163-024-00	CERAMIC CHIP	0.018uF	10% 50V	
C206	1-136-161-00	FILM	0.047uF	5% 50V	
C207	1-136-161-00	FILM	0.047uF	5% 50V	
C208	1-136-161-00	FILM	0.047uF	5% 50V	
C209	1-136-171-00	FILM	0.33uF	5% 50V	
C210	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C211	1-136-165-00	FILM	0.1uF	5% 50V	
C212	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C213	1-136-176-00	FILM	0.082uF	5% 50V	
C214	1-136-173-00	FILM	0.47uF	5% 50V	
C215	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C216	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C217	1-124-443-00	ELECT	100uF	20% 10V	
C218	1-126-022-11	ELECT	47uF	20% 10V	
C219	1-163-237-11	CERAMIC CHIP	27PF	5% 50V	
C220	1-163-237-11	CERAMIC CHIP	27PF	5% 50V	
C221	1-124-443-00	ELECT	100uF	20% 10V	
C222	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C223	1-136-171-00	FILM	0.33uF	5% 50V	
C224	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C225	1-136-171-00	FILM	0.33uF	5% 50V	
C226	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C230	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C231	1-163-006-11	CERAMIC CHIP	560PF	10% 50V	
C232	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C233	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C234	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C235	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C236	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C237	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C239	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C240	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C242	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C245	1-136-173-00	FILM	0.47uF	5% 50V	
C246	1-136-173-00	FILM	0.47uF	5% 50V	
C247	1-136-173-00	FILM	0.47uF	5% 50V	
C260	1-124-443-00	ELECT	100uF	20% 10V	
C261	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C262	1-124-443-00	ELECT	100uF	20% 10V	
C263	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C264	1-124-443-00	ELECT	100uF	20% 10V	
C265	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C266	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C267	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
		< CONNECTOR >			
CN106	1-573-109-11	PIN, CONNECTOR 15P			
		< IC >			
IC201	8-759-166-77	IC M50194AP			
IC202	8-759-009-06	IC MC14052BF			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

REVERBERATION

Ref.No.	Part No.	Description				Remark
IC203	8-759-636-55	IC M5218AFP				
IC204	8-759-636-55	IC M5218AFP				
IC205	8-759-636-55	IC M5218AFP				
		< RESISTOR >				
R201	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R202	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R203	1-216-060-00	METAL GLAZE	3K	5%	1/10W	
R204	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R205	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R206	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R207	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R208	1-216-094-00	METAL GLAZE	75K	5%	1/10W	
R209	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R210	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R211	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R212	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R213	1-216-093-00	METAL CHIP	68K	5%	1/10W	
R214	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R215	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R216	1-216-094-00	METAL GLAZE	75K	5%	1/10W	
R217	1-216-070-00	METAL CHIP	7.5K	5%	1/10W	
R218	1-216-094-00	METAL GLAZE	75K	5%	1/10W	
R220	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R221	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R222	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R223	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R224	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R225	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R226	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R227	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R228	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R229	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R230	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R231	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R232	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R233	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R234	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R235	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R236	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R237	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R238	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R239	1-216-047-00	METAL CHIP	820	5%	1/10W	
R245	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R246	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R247	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R248	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R249	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R253	1-216-295-00	METAL CHIP	0	5%	1/10W	
R255	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R260	1-216-109-00	METAL CHIP	330K	5%	1/10W	
		< VIBRATOR >				
X201	1-567-143-00	OSCILLATOR, CERAMIC (6.00MHz)				

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MISCELLANEOUS
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3	1-690-094-11	WIRE, FLAT TYPE (15 CORE)
4	1-590-241-11	WIRE, FLAT TYPE (9 CORE)
5	1-590-036-31	WIRE, FLAT TYPE (13 CORE)
23	1-751-216-31	LEAD (WITH CONNECTOR) (2 CORE)
⚠CN909	1-526-751-00	OUTLET, AC (UK)
⚠CN909	1-526-794-11	OUTLET, AC (AEP/G/IT)
⚠F903	1-532-203-00	FUSE, TIME-LAG (2.0A)
⚠F904	1-532-203-00	FUSE, TIME-LAG (2.0A)
⚠F905	1-532-203-00	FUSE, TIME-LAG (2.0A)
FL701	1-519-649-11	INDICATOR TUBE, FLUORESCENT
⚠T901	1-423-330-11	TRANSFORMER, POWER (AEP)
⚠	1-423-560-11	TRANSFORMER, POWER (UK)

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HARDWARE LIST
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#1	7-682-547-09	SCREW +BVTT 3X6 (S)
#2	7-685-871-01	SCREW +BVTT 3X6 (S)
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
#4	7-621-849-00	SCREW, TAPPING

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-957-628-11

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Audio Group

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